Amendments to the Specification:

Page 8, line 1, amend the paragraph as follows:

The Web server 52 uploads the request 62 and transfers the request 62 to the front-end software process 54, which uses the data in the request 62 to automatically generate a netlist 64 for a BIST module. In a preferred embodiment, the Web server 52 separates the request 62 into separate input command lines (not shown) and sequentially passes the command lines to the front-end software process 54. The input command lines are then automatically input into the appropriate software design tools necessary for generating the netlist 64 (which is ~~illogical~~ a logical description of cells and interconnects in the design that must be converted into a physical description). The back-end software process 56 takes the netlist 64 and automatically generates a fully placed and routed design, and outputs a placement and route view, called a RAMBIST hardmacro 66. Thus, the web-based expert system 50 provides a centralized automatic design tool that allows customers to generate a design flow directly over the web and eliminates the need for manual input and trial-and-error by ASIC manufacturer designers.